

PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING THE FILING OF AMENDMENTS OF THE CLAIMS (PCT Administrative Instructions, Section 417)

From the INTERNATIONAL BUREAU

To:

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Date of mailing (day/month/year)	19 June 2000 (19.06.00)
Applicant's or agent's file reference	IMPORTANT NOTIFICATION
International application No.	International filing date (day/month/year)
PCT/CA00/00003	05 January 2000 (05.01.00)
Applicant	HENRY, Richard

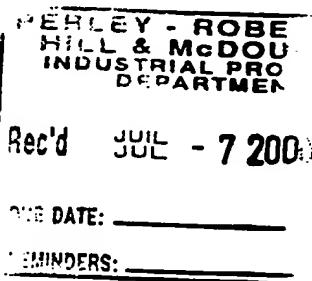
1. The applicant is hereby notified that amendments to the claims under Article 19 were received by the International Bureau on:

22 May 2000 (22.05.00)

2. This date is within the time limit under Rule 46.1.

Consequently, the international publication of the international application will contain the amended claims according to Rule 48.2(f), (h) and (i).

3. The applicant is reminded that the international application (description, claims and drawings) may be amended during the international preliminary examination under Chapter II, according to Article 34, and in any case, before each of the designated Offices, according to Article 28 and Rule 52, or before each of the elected Offices, according to Article 41 and Rule 78.



The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

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3359613

INTERNATIONAL PCT APPLICATION

In re Application of : Richard Henry

International
Filing Date : January 5, 2000

Serial No. : PCT/CA00/00003

For : TOPICAL ANESTHESIA OF THE URINARY
BLADDER

Attorney Docket : HERY-011PCT

May 17, 2000

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20
Switzerland

BY COURIER

Dear Sir:

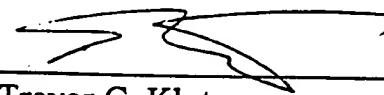
Amendment under Article 19

It is requested claim pages 17, 18 and 19 on file and bearing claims 1-13 be substituted by enclosed replacement claim pages 17, 18 and 19 bearing claims 1-14.

R E M A R K S

By virtue of the subject amendment, claims 1 and 9 have been replaced by amended claims bearing the same numbers; claims 2-8, 10-12 are unchanged; prior claim 13 cancelled; new claims 13 and 14 added.

Respectfully submitted,

Per: 
Trevor C. Klotz

c/o Messrs. Perley-Robertson, Hill & McDougall
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I CLAIM:

1. A method for anesthetizing the bladder of a patient in need thereof, comprising the step of providing a sufficient quantity of a local anesthetic and an alkalinizing agent to the bladder of said patient to anesthetize the bladder, said local anesthetic being provided as an aqueous solution, said alkalinizing agent being provided in sufficient quantity to raise the pH of the bladder to approximately the pKa of the local anesthetic to convert at least a portion of said local anesthetic to its base form.

5 2. The method of claim 1 wherein said local anesthetic and said alkalinizing agent are provided to said bladder separately.

10 3. The method of claim 1 wherein said providing step is performed by instillation of said alkalinizing agent and said local anesthetic into the bladder by means selected from the group consisting of a catheter placed into the bladder via the urethra of said patient, and percutaneously through the abdominal wall of said patient.

15 4. The method of claim 1 wherein said local anesthetic is selected from the group consisting of procaine, cocaine, chloroprocaine, tetracaine, mepivacaine, lidocaine, prilocaine, bupivacaine, etidiocaine, ropivacaine, and benzocaine.

5. The method of claim 1 wherein said alkalinizing agent is sodium bicarbonate.

6. The method of claim 1 wherein said local anesthetic is lidocaine and said alkalinizing agent is sodium bicarbonate.

7. The method of claim 1 wherein said alkalinizing agent provided in said providing step raises said pH of said bladder to about 8.

5 8. The method of claim 1 wherein said local anesthetic is provided in a sufficient concentration reduce bacterial infectants in said bladder of said patient.

9. A pharmaceutical combination for anesthetizing a patient's bladder comprising:

 a sufficient quantity of a local anesthetic to anesthetize said patient's bladder; and

 a sufficient quantity of an alkalinizing agent to raise the pH of said patient's

10 bladder to a level which causes the conversion of said local anesthetic to its base form, wherein said local anesthetic and said alkalinizing agent are positioned in a single-use, disposable syringe which maintains the local anesthetic and said alkalinizing agent separate until instilled in the bladder.

15 10. The pharmaceutical combination of claim 9 wherein said local anesthetic is selected from the group consisting of procaine, cocaine, chloroprocaine, tetracaine, mepivacaine, lidocaine, bupivacaine, etidiocaine, ropivacaine, and benzocaine.

11. The pharmaceutical combination of claim 9 wherein said alkalinizing agent is sodium bicarbonate.

12. The pharmaceutical combination of claim 9 wherein said local anesthetic is lidocaine and said alkalinizing agent is sodium bicarbonate.

5 13. The pharmaceutical combination of claim 9, wherein said sufficiently quantity of local anesthetic is 2 to 20 ml of 1-10% lidocaine, and wherein said sufficient quantity of alkalinizing agent is 5-50 ml of 2-20% sodium bicarbonate.

10 14. A method for treating interstitial cystitis, comprising the steps of periodically administering to a patient in need thereof a sufficient quantity of a local anesthetic and an alkalinizing agent, said local anesthetic and alkalinizing agent being provided to the bladder of said patient to anesthetize the bladder, said local anesthetic being provided in an aqueous solution, said alkalinizing agent being provided in sufficient quantity to raise the pH of the bladder to approximately the pKa of the local anesthetic to convert at least a portion of said local anesthetic to its base form.